

Form 442 Question 6: Description of Research Project (FCC Experimental License Request)

Applicant: **Globalstar, Inc.**
Form 442 File Number: **0274-EX-CN-2021**

The objective of the Globalstar Form 442 Experimental License request is to support communications for the Lynk Global, Inc. (Lynk Global) Shannon CubeSat mission. The objectives of the Shannon mission are presented in the FCC File 0088-EX-CN-2021 submitted by Lynk Global for the Shannon CubeSat mission.

Background:

This request is related to the Lynk Global Experimental License Request for the Shannon Mission

In its request, Lynk Global sought authority to operate one NearSpace Launch EyeStar-D2E (uses Globalstar GSP-1720 transceiver module, FCCID J9CGSSDVM) and one NearSpace Launch EyeStar-S3 (uses Globalstar STX-3 transmitter module, FCCID L2V-STX3). These transceivers are integrated into the Shannon CubeSat which will be launched into low-earth orbit. Data transmitted by the Shannon CubeSat through the Globalstar modules will be relayed to the mission operations center by means of the Globalstar system constellation and the associated Globalstar ground infrastructure.

In this Experimental License request, Globalstar seeks authority, in connection with the aforementioned CubeSat mission, to:

- receive transmissions from, and transmit to, the licensed transceiver module(s) and relay the data to/from Globalstar earth stations to the Shannon mission operations center

The only change from Globalstar's currently licensed operations is that the Globalstar constellation will be communicating with FCC-approved terminals located on a space station rather than communicating with these terminals from the usual earth-based location. Globalstar's License does not cover space-to-space operation, thus requiring this Experimental License request.

As described in the Shannon FCC File 0088-EX-CN-2021, the Shannon mission is expected to be in operation for 24 months. The Shannon Mission Office will notify the FCC of the dates of actual operation once those dates have been established.

Shannon Contact for Stop-Buzzer:

Contact Information for the Shannon Mission is provided in the Lynk Global Form 442 application

Globalstar Contact Person:

David Weinreich Manager, Spectrum and Regulatory Engineering
Phone: 301-651-4552
E-Mail: david.weinreich@globalstar.com